

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **03207363 A**

(43) Date of publication of application: **10.09.91**

(51) Int. Cl

A61H 33/14

A47K 10/48

A61L 2/20

B01D 53/34

(21) Application number: **02002381**

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(22) Date of filing: **08.01.90**

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(54) HAND DRYING AND STERILIZING APPARATUS

(57) Abstract:

PURPOSE: To perform sanitary drying by carrying out sterilization and deodorizing by drying the hand by the stream of hot ozone air.

CONSTITUTION: By inserting the hand into a main body casing 10 from a hand insertion port 30, the high speed air stream generated by a sirocco fan 18 is sent in the main body casing 10 from a duct 12 to dry the hand. At this time, air is passed through the duct 12 to be heated by an electric heater 24 to become hot air and ozone gas is formed in an ozonizer 22 and the hand is dried by the high speed air stream due to hot ozone air. The ozonizer 22 is controlled by a control part 16 so as to appropriately control the concn. of generated ozone and the concn. of the hot ozone air applied to the hand is set to an appropriate value. By this constitution, the sterilizing action of ozone gas can be effectively utilized in a hand dryer and sanitary disinfection becomes possible.

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